

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	325	703/2.ccls. and @pd>="20081001"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/29 16:27
L3	140	tire and noise and pitch and @pd>"20081001"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/29 17:06


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### PITCH RATIO

WJ Vorih - US Patent 3,926,238, 1975 - Google Patents

... in a rotation speed of the **tire**. Thus, if the **tire** is composed desirable **modulation** of the **noise** produced in the vi- of 50 lugs ...

Cited by 13 - [Related articles](#) - [Web Search](#) - [All 2 versions](#)

### Spreading noise generated by load supporting elements

SP Landers - US Patent 4,327,792, 1982 - Google Patents

... the wave length of the predominant **modulation** frequency of ... further optimize the spreading of the **noise** generated, the ... is a perspective view of a **tire** having a ...

Cited by 10 - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### Tire pitch sequencing for reduced tire tread noise

TA Williams... - US Patent 5,314,551, 1994 - Google Patents

... 2,878,852, discloses a **tire** tread having male and female mold ... ing of the pitches in an attempt to **modulate** the objec- tionable **noise** producing frequencies ...

Cited by 5 - [Related articles](#) - [Web Search](#) - [All 7 versions](#)

### Method and apparatus for monitoring tire pressure

WA Barabino - US Patent 4,186,377, 1980 - Google Patents

... a network receiving amplified signals from each trans- **tire** pressure signal ... the and processed to distinguish it from background **noise modulation** envelope to ...

Cited by 9 - [Related articles](#) - [Web Search](#) - [All 2 versions](#)

### ... units in a tire pressure monitor system of a vehicle using secondary modulation of wheel rotation

FL Starkey - US Patent App. 10/191,832, 2002 - Google Patents

... the transmit frequency used by the **tire** monitors ... outside this passband are considered **noise** and are ... Any suitable **modulation** and demodulation scheme may be used ...

Cited by 9 - [Related articles](#) - [Web Search](#) - [All 5 versions](#)

### On the investigation of possible systematics in WIMP annual modulation search

R Bernabei, P Belli, R Cerulli, F Montecchia, M ... - The European Physical Journal C-Particles and Fields, 2000 - Springer

... The en- **tire** installation is air-conditioned ... This means that a possible **noise modulation** can account at maximum for absolute ampli- tudes of the order of few 10 ...

Cited by 74 - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 7 versions](#)

### Spreading noise generated by load supporting elements of a tire tread

SP Landers - US Patent 4,474,223, 1984 - Google Patents

... the same amount of quantum energy, the **noise** produced by 25 ... required number of harmonic sequence One **tire** may sound ... and its B is the **modulation** index; harmonic ...

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### Multiple pitch sequence optimization

TA Williams... - US Patent 5,309,965, 1994 - Google Patents

... pitch in the circumferential direction of the **tire**. ... dis- closes a technique for

Direct conversion transceiver design for compact low-cost portable mobile radio terminals  
A Bateman, DM Haines - IEEE 39th Vehicular Technology Conference, 1989, 1989 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)  
... Figure 1 shows the en-tire transmitter in a ... 2 equal random III B tone tones **noise**  
speech Figure ... LM linearised Class C amplifier with different **modulation** types ...  
Cited by 53 - Related articles - Web Search - All 2 versions

A Wang, SH Cho, C Sodini, A Chandrakasan - Proceedings of the 2001 international symposium on Low power ... , 2001 - portal.acm.org  
... on system-level optimization of the en- **tire** network in ... large phase error caused by phase **noise** and frequency ... It has been shown that the **modulation** index error ...  
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### Performance of a fast frequency-hopped noncoherent MFSK receiver with non-ideal noise-normalization ...

H Iwasaki, RC Robertson - IEEE Military Communications Conference, 1995. MILCOM'95, ..., 1995 - [ieeexplore.ieee.org](#)

... power spectral density of interference over the en- **tire** spread bandwidth, then  $y \sim N(1/2)$  is the power spectral density of partial-band **noise** interference when ...

[Related articles](#) - [Web Search](#)

### Adapting higher-order modulation schemes in broadband networks for use in a wireless environment

E Pasternak, BW Commun, CA Santa Clara - 2001 IEEE Emerging Technologies Symposium on Broadband ..., 2001 - [ieeexplore.ieee.org](#)

... Wave Communications 3350 Thomas Road, Santa Clara ... the feasibility of a **modulation-order** transformation will be ... the wireless link with **noise** immunity comparable ...

[Cited by 1](#) - [Related articles](#) - [Web Search](#)

### New AFC algorithm for a fully-digital MDPSK DS/CDMA receiver- [hku.hk](#) [PDF]

J Lei, TS Ng - Circuits and Systems, 2001. ISCAS 2001. The 2001 IEEE ..., 2001 - [ieeexplore.ieee.org](#)

... The University of Hong Kong Pokfulam Road, Hong Kong ... where M and T denote the **modulation order** and the ... filter design to suppress the self **noise** and require ...

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### [PDF] [Equalization requirement study for broadband MMDS wireless access systems](#)

EK Bartsch, IJ Wassell, MP Sellars - Proc. International Symposium on Communications, 2001 - [cl.cam.ac.uk](#)

... LTD, The Westbrook Centre, Milton Road, Cambridge, CB4 1YG ... longer the FF-filter, the higher the **noise** ... rate and the highest possible **modulation order** for systems ...

[Cited by 5](#) - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [All 7 versions](#)

### Iterative channel estimation and decoding for a turbo-coded OFDM system via the EM algorithm

X Zhuang, FW Vook - IEEE International Conference on Acoustics, Speech, and ..., 2002 - [ieeexplore.ieee.org](#)

... Systems Research Laboratory 1301 E. Algonquin Road, Schaumburg, IL ...  $I(i/a)K(5)$  because the **noise** vector  $n \sim Q$  possibilities for 5k for a **modulation order** of  $Q \dots$

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### A comparison of multi-carrier OFDM and single carrier iterative equalisation for future high ...

AG Lillie, AP Miguelaz, AR Nix, JP McGeehan - 2002 IEEE 56th Vehicular Technology Conference, 2002. ..., 2002 - [ieeexplore.ieee.org](#)

... of Bristol, Merchant Venturers Building, Woodland Road, BS8 1UB ... and NF is the receiver **noise** figure and: ... is dependent upon both the **modulation order** and the ...

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### Development and application of M-ary Gaussian minimum phase shiftkeying modulation

BA Cochran, S Inc, AZ Scottsdale - 1995 IEEE International Conference on Communications, 1995. ..., 1995 - [ieeexplore.ieee.org](#)

... 7585 E. Redfield Road Scottsdale, AZ 85260 e-mail ... Recall that increasing **modulation order** is required to exploit ... Br, determines the amount of **noise** entering the ...

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On some properties of Walsh-Hadamard transformed OFDM

Y Wu, CK Ho, S Sun - 2002 IEEE 56th Vehicular Technology Conference, 2002. ..., 2002 - [ieeexplore.ieee.org](#)  
... Institute for Communications Research 20 Science Park Road, #02-34 ... a study on the effects of **modulation order** and num ...  $T$  and  $v$  1 is the AWGN **noise** vector with ...

[Cited by 7](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#)

Method and arrangement for ensuring continuous transmission power control despite of discontinuous ...

S Benoit, E Nikula - US Patent App. 09/971,335, 2001 - Google Patents  
... Address: PERMAN & GREEN 425 POST ROAD FAIRFIELD, CT ... According to prior art, comfort **noise** parameters 201 ... for the fact that when **modulation order** is increased ...

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Adaptive modulation/coding and power allocation system

PJM Sartori, KL Baum, BK Classon - US Patent App. 10/197,382, 2002 - Google Patents  
... 1303 EAST ALGONQUIN ROAD IL01/3RD SCHAUMBURG, IL ... a target signal-to-interference-plus-**noise** ratio,  $S$  ... 4 convolutional coding), with the **modulation-order** and/or ...

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Key authors: [X Zhuang](#) - [F Vook](#) - [E Bartsch](#) - [I Wassell](#) - [M Sellars](#)

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Energy efficient modulation and MAC for asymmetric RF microsensor systems- ► [uci.edu](#) [PDF]

A Wang, SH Cho, C Sodini, A Chandrakasan - Proceedings of the 2001 international symposium on Low power ..., 2001 - portal.acm.org

... system-level optimization of the en- **tire** network in ... large phase error caused by phase **noise** and frequency ... It has been shown that the **modulation index** error of ...

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Spreading **noise** generated by load supporting elements

SP Landers - US Patent 4,327,792, 1982 - Google Patents

... shortest pitch length B is the **modulation index**; Determining the ... optimize the spreading of the **noise** generated, the ... 1 is a perspective view of a **tire** having a ...

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Spreading **noise** generated by load supporting elements of a **tire** tread

SP Landers - US Patent 4,474,223, 1984 - Google Patents

... same amount of quantum energy, the **noise** produced by 25 ... required number of harmonic sequence One **tire** may sound ... and its B is the **modulation index**; harmonice, ie ...

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**Tire** pitch sequencing for reduced **tire** tread **noise**

TA Williams... - US Patent 5,314,551, 1994 - Google Patents

... SP is the shortest pitch length B is the **modulation index**; iv. ... certain pitch sequences which are designed to reduce **noise** produced by **tire** treads by ...

Cited by 5 - [Related articles](#) - [Web Search](#) - All 7 versions

[PDF] ► Analysis of the time structure of gear rattle

M Bodden, R Heinrichs, ID Bodden, FW AG - INTERNOISE, 1999 - product-sound.de

... Besides the major contributors such as engine, wind and **tire** noises several other sources ... The **modulation index** of an interior vehicle **noise** with gear ...

Cited by 7 - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#) - All 3 versions

Reduction of harmonic distortion and **noise** in a semiconductor optical amplifier using bias current ...

JA Constable, IH White, AN Coles, DG Cunningham - Electronics Letters, 1993 - ieeexplore.ieee.org

... The **modulation index** is varied between 20 and 55%. ... Packard Laboratories Bristol, Filton Road, Stoke Gifford ... References 1 YAMAMOTO,,: '**Noise** and error rate ...

Cited by 9 - [Related articles](#) - [Web Search](#) - [BL Direct](#) - All 4 versions

Wide-span optical frequency comb generator for accurate opticalfrequency difference measurement

M Kourogi, K Nakagawa, M Ohtsu - IEEE Journal of Quantum Electronics, 1993 - ieeexplore.ieee.org

... Microwave power:  $P_r = 10$  W, **Modulation index**:  $m = 0.2$  ?r rad ... 6, it is expected that the signal- to-**noise** ratio of ... this process, the span of the en- **tire** OFC can ...

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Spectral, phase **noise** and phase modulation characteristics of AM sideband injection-locked

...

